

(Use several sheets if necessary)		Atty. Docket No. 19721		Application No. 10/575,049	
		Applicants David Morritz De Kretser, et al.			
		Filing Date November 13, 2006		Group Art Unit 1644	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE YY-MM-DD	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	1.	WO 03/006057	2003-01-23	PCT				
	2.	WO 99/10364	1999-03-04	PCT				
	3.	WO 03/066081	2003-08-14	PCT				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	4.	Murata T. et al., "Anti-activin A Antibody (IgY) Specifically Neutralizes Various Activin A Activities", <i>P.S.E.B.M.</i> 211(1): 100-107 (1996)
	5.	Hubner G. et al., "Activin A: A Novel Player and Inflammatory Marker in Inflammatory Bowel Disease?", <i>Laboratory Investigation</i> 77(4): 311-318 (1997)
	6.	De Kretser D. M. et al., "Activin A and follistatin: their role in the acute phase reaction and inflammation", <i>Journal of Endocrinology</i> 161: 195-198 (1991)
	7.	Alexander C., et al., "Bacterial lipopolysaccharides and innate immunity", <i>Journal of Endotoxin Research</i> 7(3): 167-202 (2001)
	8.	Benayoun L. et al., "Airway Structural Alterations Selectively Associated with Severe Asthma", <i>American Journal of Respiratory and Critical Care Medicine</i> 167: 1360-1368 (2003)
	9.	Bernard D. J., "Both SMAD2 and SMAD3 Mediate Activin-Stimulated Expression of the Follicle-Stimulating Hormone β Subunit in Mouse Gonadotrope Cells", <i>Molecular Endocrinology</i> 18(3): 606-623 (2004)
	10.	Billestrup N. et al., "Inhibition of somatotroph growth and growth hormone biosynthesis by activin in vitro", <i>Mol Endocrinol</i> 4(2): 356-362 (1990)
	11.	Brown C. W. et al., "Insertion of <i>Inhbb</i> into the <i>Inhba</i> locus rescues the <i>Inhba</i> -null phenotype and reveals new activin functions", <i>Nature Genetics</i> 25: 453-457 (2000)
	12.	Bunin B. A., "The combinatorial synthesis and chemical and biological evaluation of a 1,4-benzodiazepine library", <i>Proc. Natl. Acad. Sci. USA</i> 91: 4708-4712 (1994)
	13.	Corrigan A. Z. et al., "Evidence for an autocrine role of activin B within rat anterior pituitary cultures", <i>Endocrinology</i> 128(3): 1682-1684 (1991)
	14.	Coyle A. J., "Mice Lacking the IFN- γ Receptor Have an Impaired Ability to Resolve a Lung Eosinophilic Inflammatory Response Associated with a Prolonged Capacity of T Cells to Exhibit a Th2 Cytokine Profile", <i>The Journal of Immunology</i> 156: 2680-2685 (1996)
	15.	De Blas P. J. et al., "Localization and Cellular Sources of Activins in Normal and Fibrotic Rat Liver", <i>Hepatology</i> 26: 905-912 (1997)
	16.	Demura R. et al., "Human Plasma Free Activin And Inhibin Levels During The Menstrual Cycle", <i>Journal of Clinical Endocrinology and Metabolism</i> 76(4): 1080-1082 (1993)
	17.	Demura R. et al., "Competitive Protein Binding Assay For Activin A/EDF Using Follistatin Determination Of Activin Levels In Human Plasma", <i>Biochemical and Biophysical Research Communications</i> 185(3): 1148-1155 (1992)

EXAMINER	DATE CONSIDERED
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
18.	De Witt S. H. et al., "Diversomers": An approach to nonpeptide, nonoligomeric chemical diversity", <i>Proc. Natl. Acad. Sci. USA</i> 90: 6909-6913 (1993)		
19.	Eramaa M. et al., "Activin A/Erythroid Differentiation Factor Is Induced during Human Monocyte Activation", <i>J. Exp. Med.</i> 176: 1449-1452 (1992)		
20.	Fodor S. P. A. et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis", <i>Science</i> 251: 767-773 (1991)		
21.	Gilfillan C. P. et al., "Development and validation of a radioimmunoassay for follistatin in human serum", <i>Clinical Endocrinology</i> 41: 453-481 (1994)		
22.	Hardy C. L. et al., "Characterization of a Mouse Model of Allergy to a Major Occupational Latex Glove Allergen Hev b 5", <i>Am J Respir Crit Care Med</i> 167: 1393-1399 (2003)		
23.	Harrison C. A. et al., "An Activin Mutant with Disrupted ALK4 Binding Blocks Signaling via Type II Receptors", <i>The Journal Of Biological Chemistry</i> 279(27): 28036-28044 (2004)		
24.	Hashimoto O. et al., "A Novel Role of Follistatin, an Activin-binding Protein, in the Inhibition of Activin Action in Rat Pituitary Cells", <i>The Journal Of Biological Chemistry</i> 272(21): 13835-13842 (1997)		
25.	Hubner G. et al., "Serum Growth Factors and Proinflammatory Cytokines Are potent Inducers of Activin Expression in Cultured Fibroblasts and Keratinocytes", <i>Experimental Cell Research</i> 228: 106-113 (1996)		
26.	Hubner G. et al., "Strong Induction of Activin Expression after Injury Suggests an Important Role of Activin in Wound Repair", <i>Developmental Biology</i> 173: 490-498 (1996)		
27.	Jones R. L. et al., "Inhibin and activin subunits are differentially expressed in endometrial cells and leukocytes during the menstrual cycle, in early pregnancy and in women using progestin-only contraception", <i>Molecular Human Reproduction</i> 6(12): 1107-1117 (2000)		
28.	Keelan J. A. et al., "Activin A Exerts both Pro- and Anti-inflammatory Effects on Human term Gestational Tissues", <i>Placenta</i> 21: 38-43 (2000)		
29.	Khoury R. H. et al., "Serum Follistatin Levels in Women: Evidence against an Endocrine Function of Ovarian Follistatin", <i>Journal of Clinical Endocrinology and Metabolism</i> 80(4): 1361-1368 (1995)		
30.	Kitaoka M. et al., "Activin-A: A Modulator of Multiple Types of Anterior Pituitary Cells Masafumi Kitaoka, Itaru Kojima and Etsuro Ogata", <i>Biochemical and Biophysical Research Communications</i> 157(1): 48-55 (1988)		
31.	Knight P. G. et al., "Development and application of a two-site enzyme immunoassay for the determination of 'total' activin-A concentrations in serum and follicular fluid", <i>Journal of Endocrinology</i> 148: 267-279 (1996)		
32.	Kobayashi T. et al., "Expression of Inhibin β_A , β_B , and Follistatin mRNAs in the Carbon Tetrachloride Induced Rat Liver Regeneration Model", <i>Biol. Pharm. Bull.</i> 23(6): 755-757 (2000)		
33.	Kohler et al., "Continuous cultures of fused cells secreting antibody of predefined specificity", <i>Nature</i> 256: 495-497 (1975)		
34.	Kumar R. K. et al., "Role of interleukin-13 in eosinophil accumulation and airway remodeling in a mouse model of chronic asthma", <i>Clin Exp Allergy</i> 32: 1104-1111 (2002)		
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35.	Lee C. G. et al., "Interleukin-13 Induces Tissue Fibrosis by Selectively Stimulating and Activating Transforming Growth Factor β_1 ", <i>J. Exp. Med.</i> 194(6): 809-821 (2001)		
36.	Li X. et al., "Increased Vascularity of the Bronchial Mucosa in Mild Asthma", <i>Am J Respir Crit Care Med</i> 156: 229-233 (1997)		
37.	Loria P. et al., "Influence of age and sex on serum concentrations of total dimeric activin A", <i>European Journal of Endocrinology</i> 139: 487-492 (1998)		
38.	Maeshima K. et al., "Crucial Role of Activin A in Tubulogenesis of Endothelial Cells Induced by Vascular Endothelial Growth Factor", <i>Endocrinology</i> 145(8): 3739-3745 (2004)		
39.	Manthey C. L. et al., "Endotoxin-Induced Early Gene Expression in CSH?HeJ (Lps^d) Macrophages ¹ ", <i>The Journal of Immunology</i> 153: 2653-2663 (1994)		
40.	Matsuse T. et al., "Expression of Immunoreactive and Bioactive Activin A Protein in Adult Murine Lung after Bleomycin Treatment", <i>Am. J. Respir. Cell Mol. Biol.</i> 13: 17-24 (1995)		
41.	Matsuse T. et al., "Expression of Immunoreactive Activin A Protein in Remodeling Lesions Associated with Interstitial Pulmonary Fibrosis", <i>American Journal of Pathology</i> 148(3): 707-713 (1996)		
42.	Matzuk M. M. et al., "Functional analysis of activins during mammalian development", <i>Nature</i> 374: 354-356 (1995)		
43.	McFarlane J. R. et al., "Measurement of activin in biological fluids by radioimmunoassay, utilizing dissociating agents to remove the interference of follistatin", <i>Eur J. Endocrinol.</i> 134: 481-499 (1996)		
44.	Meunier et al., "Gonadal and extragonadal expression of inhibin α , β A, and β B subunits in various tissues predicts diverse functions", <i>PNAS</i> 85: 247-251 (1988)		
45.	Michael U. et al., "Rat Follistatin: Goonadal And Extragonadal Expression And Evidence For Alternative Splicing", <i>Biochemical and Biophysical Research Communications</i> 173(1): 401-407 (1990)		
46.	Michel U. et al., "Expression of follistatin messenger ribonucleic acid in Sertoli cell-enriched cultures: regulation by epidermal growth factor and protein kinase C-dependent pathway but not by follicle-stimulating hormone and protein kinase A-dependent pathway" <i>Acta Endocrinologica</i> 129: 525-531 (1993)		
47.	Michel U. et al., "Production of Follistatin in Porcine Endothelial Cells: Differential Regulation by Bacterial Compounds and the Synthetic Glucocorticoid RU 28362", <i>Endocrinology</i> 137(11): 4925-4934 (1996)		
48.	Michel U. et al., "Serum concentrations of activin and follistatin are elevated and run in parallel in patients with septicemia", <i>European Journal of Endocrinology</i> 148: 559-564 (2003)		
49.	Mohan A. et al., "Effect of cytokines and growth factors on the secretion of inhibin A, activin A and follistatin by term placental villous trophoblasts in culture", <i>European Journal of Endocrinology</i> 145: 505-511 (2001)		
50.	Nakamura T. et al., "Activin-Binding Protein from Rat Ovary Is Follistatin", <i>Science</i> 247: 836-838 (1990)		
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	51.	Nakamura T. et al., "Isolation and Characterization of Native Activin B", <i>The Journal of Biological Chemistry</i> 267(23): 16385-16389 (1992)
	52.	O'Connor A. E. et al., "Serum activin A and follistatin concentrations during human pregnancy: a cross-sectional and longitudinal study", <i>Human Reproduction</i> 14(3): 827-832 (1999)
	53.	Orsida B. E., "Vascularity in asthmatic airways: relation to inhaled steroid dose", <i>Thorax</i> 54: 289-295 (1999)
	54.	Petraglia F. et al., "Activin A and activin B measured in maternal serum, cord blood serum and amniotic fluid during human pregnancy", <i>Endocrine Journal</i> 1: 323-327 (1993)
	55.	Phillips D. J. et al., "Follistatin has a biphasic response but follicle-stimulating hormone is unchanged during an inflammatory episode in growing lambs", <i>Journal of Endocrinology</i> 156: 77-82 (1998)
	56.	Phillips D. J. et al., "Follistatin: A Multifunctional Regulatory Protein", <i>Frontiers in Neuroendocrinology</i> 19: 287-322 (1998)
	57.	Phillips D. J., "New developments in the biology of inhibins, activins and follistatins", <i>Trends in Endocrinology & Metabolism</i> 12(3): 94-96 (2001)
	58.	Phillips D. J., "Regulation of activin's access to the cell: why is Mother Nature such a control freak?", <i>BioEssays</i> 22: 689-696 (2000)
	59.	Poulaki V. et al., "Activin A in the Regulation of Corneal Neovascularization and Vascular Endothelial Growth Factor Expression", <i>American Journal of Pathology</i> 164(4): 1293-1302 (2004)
	60.	Robinson G. W. et al., "Inhibins and activins regulate mammary epithelial cell differentiation through mesenchmal-epithelial interactions", <i>Development</i> 124: 2701-2708 (1997)
	61.	Rosendahl A. et al., "Activation of the TGF- β /Activin-Smad2 Pathway during Allergic Airway Inflammation", <i>Am J. Respir. Cell Mol. Biol.</i> 25: 60-68 (2001)
	62.	Russell C. E. et a., "Activin A regulates growth and acute phase proteins in the human liver cell line, HepG2", <i>Molecular and Cellular Endocrinology</i> 148: 129-136 (1999)
	63.	Sakai R. et al., "The Measurement Of Activin/EDF In Mouse Serum: Evidence For Extragonadal Production", <i>Biochemical and Biophysical Research Communications</i> 188(2): 921-926 (1992)
	64.	Sakamoto Y. et al., "Determination of free follistatin levels in sera of normal subjects and patients with various diseases", <i>European Journal of Endocrinology</i> 135: 345-351 (1996)
	65.	Schneider O. et al., "Comparative analysis of follistatin-, activin beta A- and activin beta B-mRNA steady-state levels in diverse porcine tissues by multiplex S1 nuclease analysis", <i>European Journal of Endocrinology</i> 142: 537-544 (2000)
	66.	Shao et al., "Regulation of Production of Activin A in Human Marrow Stromal Cells and Monocytes", <i>Exp Hematol</i> 20: 1235-1242 (1992)
	67.	Shao Li-En et al., "Contrasting Effects Of Inflammatory Cytokines And Glucocorticoids On The Production Of Activin A In Human Marrow Stromal Cells And Their Implications", <i>Cytokine</i> 10(3): 227-235 (1998)

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	68.	Stein C. A. et al., "Oligodeoxynucleotides as Inhibitors of Gene Expression: A Review", <i>Cancer Research</i> 48: 2659-2668 (1988)
	69.	Takabe K. et al., "Adenovirus-Mediated Overexpression of follistatin Enlarges Intact Liver of Adult Rats", <i>Hepatology</i> 38: 1107-1115 (2003)
	70.	Thomsen G. et al., "Activins Are Expressed Early in Xenopus Embryogenesis and Can Induce Axial Mesoderm and Anterior Structures", <i>Cell</i> 63: 485-493 (1990)
	71.	Tilbrook A. J. et al., "The testis is not the major source of circulating follistatin in the ram", <i>Journal of Endocrinology</i> 149: 55-63 (1996)
	72.	Tsuchida K. et al., "Activin isoforms signal through type I receptor serine/threonine kinase ALK7", <i>Molecular and Cellular Endocrinology</i> 220: 59-65 (2004)
	73.	Ulevitch R. J. et al., "Recognition of Gram-negative bacteria and endotoxin by the innate immune system", <i>Current Opinion in Immunology</i> 11: 19-22 (1999)
	74.	Vale W. et al., "Purification and characterization of an FSH releasing protein from porcine ovarian follicular fluid", <i>Nature</i> 321: 776-779 (1986)
	75.	Vale W. et al., "The Inhibin/Activin Family of Hormones and Growth Factors", Chapter 26, <i>Handbook of Experimental Physiology</i> 95: 211-248 (1990)
	76.	van der Krol A. R. et al., "Modulation of Eukaryotic Gene Expression by Complementary RNA or DNA Sequences", <i>BioTechniques</i> 6(10): 958-976 (1988)
	77.	Van Baalen B. et al., "Traumatic brain injury: classification of initial severity and determination of functional outcome", <i>Disability and Rehabilitation</i> 25(1): 9-18 (2003)
	78.	Van Dijk W., "Interleukin-6-Type Cytokine-induced Changes in Acute Phase Protein Glycosylation", <i>Annals New York Academy Of Sciences</i> 762: 319-330 (1995)
	79.	Vassalli A. et al., "Activin/inhibin β B subunit gene disruption leads to defects in eyelid development and female reproduction", <i>Genes & Development</i> 8: 414-427 (1994)
	80.	Vihko K. et al., "Activin B: detection by an immunoenzymometric assay in human serum during ovarian stimulation and late pregnancy", <i>Human Reproduction</i> 13(4): 841-846 (1998)
	81.	Vihko K. K. et al., "Activin B in patients with granulose cell tumors: serum levels in comparison to inhibin", <i>Acta Obstet Gynecol Scand</i> 82: 570-574 (2003)
	82.	Wakatsuki M. et al., "Immunoradiometric Assay for Follistatin: serum Immunoreactive Follistatin Levels in Normal Adults and Pregnant Women", <i>Journal of Clinical Endocrinology and Metabolism</i> 81(2): 630-634 (1996)
	83.	Wilson J. W. et al., "The measurement of reticular basement membrane and submucosal collagen in the asthmatic airway", <i>Clinical and Experimental Allergy</i> 27: 363-371 (1997)
	84.	Woodruff T. K. et al., "Activin A and follistatin are dynamically regulated during human pregnancy", <i>Journal of Endocrinology</i> 152: 167-174 (1997)
	85.	Xu J. et al., "Inhibin Antagonizes Inhibition of Liver Cell Growth by Activin by a Dominant-negative Mechanism", <i>The Journal of Biological Chemistry</i> 270(11): 6308-6313 (1995)
	86.	Yu J. et al., "Induced expression of the new cytokine, activin A, in human monocytes: inhibition by glucocorticoids and retinoic acid", <i>Immunology</i> 88: 368-374 (1996)

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